

## WEST Search History





DATE: Sunday, February 26, 2006

*Updated After - Fund Amendment Search*

Hide?	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L26	L25 and ((fraction\$4 or portion or part\$2 or partial\$2) with (mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	1
<input type="checkbox"/>	L25	L24 and ((rock or matrix) with (travel or time))	4
<input type="checkbox"/>	L24	L23 and (dielectric\$4 with (constant or perme\$4 or permeability or permittivity) )	9
<input type="checkbox"/>	L23	L22 and ((combin\$4 or combination\$4 or add\$3 or sum\$4 or summation or addition) with (mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	9
<input type="checkbox"/>	L22	L8 and ((rock or matrix or formation or earth or wellbore or well-bore or "well bore" or borehole or bore-hole or "bore hole") with (mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	33
<input type="checkbox"/>	L21	L17 and ((rock or matrix or formation or earth or wellbore or well-bore or "well bore" or borehole or bore-hole or "bore hole") with (mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	1
<input type="checkbox"/>	L20	L17 and (rock or matrix)	1
<input type="checkbox"/>	L19	L17 and ((rock or matrix) with (combin\$4 or combination\$4 or add\$3 or sum\$4 or summation or addition) with (mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	0
<input type="checkbox"/>	L18	L17 and ((rock or matrix or formation or earth or wellbore or well-bore or "well bore" or borehole or bore-hole or "bore hole") with (combin\$4 or combination\$4 or add\$3 or sum\$4 or summation or addition) with (mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	0
<input type="checkbox"/>	L17	L9 and ((combin\$4 or combination\$4 or add\$3 or sum\$4 or summation or addition) with (mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	4
<input type="checkbox"/>	L16	L11 and ((combin\$4 or combination\$4 or add\$3 or sum\$4 or summation or addition) with (mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	1
<input type="checkbox"/>	L15	L14 and ((combin\$4 or combination\$4 or add\$3 or sum\$4 or summation or addition) with (mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	1
<input type="checkbox"/>	L14	L13 and (combin\$4 or combination\$4 or add\$3 or sum\$4 or summation or addition)	5
<input type="checkbox"/>	L13	L11 and (dielectric\$4 with constant)	5
<input type="checkbox"/>	L12	L11 and (perme\$4 or permeability or permittivity)	0
<input type="checkbox"/>	L11	L10 and (formation or earth or wellbore or well-bore or "well bore" or borehole or bore-hole or "bore hole")	13
<input type="checkbox"/>	L10	L9 and (measur\$4 or measurement)	36
<input type="checkbox"/>	L9	L8 and ((fraction\$4 or portion or part\$2 or partial\$2) with (mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	62

<input type="checkbox"/>	L8	(dielectric\$4)	555974
<input type="checkbox"/>	L7	L5 and ((fraction\$4 or portion or part\$2 or partial\$2) with (mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	3
<input type="checkbox"/>	L6	L3 and ((fraction\$4 or portion or part\$2 or partial\$2) with (mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	3
<input type="checkbox"/>	L5	L3 and ((mri or nmr or (magnetic adj resonan\$2)) with (dielectric\$4))	43
<input type="checkbox"/>	L4	L3 and (mri or nmr or (magnetic adj resonan\$2))	481
<input type="checkbox"/>	L3	L2 and (fraction\$4 or portion or part\$4)	10908
<input type="checkbox"/>	L2	L1 and (dielectric\$4)	14238
<input type="checkbox"/>	L1	permittivity	21273

END OF SEARCH HISTORY

## Hit List

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Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20030210811 A1

Using default format because multiple data bases are involved.

L7: Entry 1 of 3

File: PGPB

Nov 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030210811

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030210811 A1

TITLE: Elastomeric actuator devices for magnetic resonance imaging

PUBLICATION-DATE: November 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Dubowsky, Steven	Boston	MA	US
Hafez, Moustapha	Paris	MA	FR
Jolesz, Ferenc A.	Brookline	MA	US
Kacher, Daniel F.	Allston	MA	US
Lichter, Matthew	Somerville		US
Weiss, Peter	Eichenau		DE
Wingert, Andreas	Baindt		DE

US-CL-CURRENT: 382/128

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIG	Drawings
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☐ 2. Document ID: US 20030028095 A1

L7: Entry 2 of 3

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030028095

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030028095 A1

TITLE: Magnetic resonance imaging probe

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tulley, Steve	Columbia	MD	US

Lardo, Albert C.	Baldwin	MD	US
Karmarkar, Parag	Elliott City	MD	US
McVeigh, Elliot	Phoenix	MD	US
Halperin, Henry R.	Baltimore	MD	US
McNamara, Christine Enger	Chelmsford	MA	US
Bottomley, Paul A.	Columbia	MD	US
Atalar, Ergin	Columbia	MD	US
Yang, Xiaoming	Baltimore	MD	US

US-CL-CURRENT: 600/422; 977/865

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FWC	Drawings
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☐ 3. Document ID: US 5049821 A

L7: Entry 3 of 3

File: USPT

Sep 17, 1991

US-PAT-NO: 5049821

DOCUMENT-IDENTIFIER: US 5049821 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Continuously variable field of view surface coil for NMR imaging

DATE-ISSUED: September 17, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Duensing; George R.	Gainesville	FL		
Fitzsimmons; Jeffrey R.	Gainesville	FL		
Sanford; Don	Hawthorne	FL		

US-CL-CURRENT: 324/322; 324/318, 335/219

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FWC	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	-----	----------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
PORTION	5995029
PORTIONS	3167083
MRI	32170
MRIS	482
NMR	159533
NMRS	276
MAGNETIC	1591864

MAGNETICS	14259
FRACTION\$4	0
FRACTION	584470
FRACTIONA	2367
(L5 AND ((FRACTION\$4 OR PORTION OR PART\$2 OR PARTIAL\$2) WITH (MRI OR NMR OR (MAGNETIC ADJ RESONAN\$2)) WITH (DIELECTRIC\$4))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

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Search Results - Record(s) 1 through 13 of 13 returned.

☐ 1. Document ID: US 20050237060 A1

Using default format because multiple data bases are involved.

L11: Entry 1 of 13

File: PGPB

Oct 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050237060

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050237060 A1

TITLE: Radio frequency resonator system with optimized current distribution in the conducting elements

PUBLICATION-DATE: October 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Freytag, Nicolas	Binz		CH
Marek, Daniel	Moeriken		CH

US-CL-CURRENT: [324/318](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw Ds
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☐ 2. Document ID: US 20050194619 A1

L11: Entry 2 of 13

File: PGPB

Sep 8, 2005

PGPUB-DOCUMENT-NUMBER: 20050194619

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050194619 A1

TITLE: SiCOH dielectric material with improved toughness and improved Si-C bonding, semiconductor device containing the same, and method to make the same

PUBLICATION-DATE: September 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Edelstein, Daniel C.	White Plains	NY	US
Gates, Stephen M.	Ossining	NY	US
Grill, Alfred	White Plains	NY	US
Lane, Michael	Cortlandt Manor	NY	US

Miller, Robert D.	San Jose	CA	US
Neumayer, Deborah A.	Danbury	CT	US
Nguyen, Son Van	Yorktown Heights	NY	US

US-CL-CURRENT: 257/232

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 3. Document ID: US 20050189943 A1

L11: Entry 3 of 13

File: PGPB

Sep 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050189943  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050189943 A1

TITLE: Tunable superconducting resonator and methods of tuning thereof

PUBLICATION-DATE: September 1, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hammond, Robert B.	Santa Barbara	CA	US
Sun, Jonathan Z.	Shrub Oak	NY	US
Scalapino, Douglas J.	Santa Barbara	CA	US
James, Timothy W.	Goleta	CA	US
Bourne, Lincoln C.	Santa Barbara	CA	US

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 4. Document ID: US 20040199071 A1

L11: Entry 4 of 13

File: PGPB

Oct 7, 2004

PGPUB-DOCUMENT-NUMBER: 20040199071  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040199071 A1

TITLE: Magnetic resonance imaging transseptal needle antenna

PUBLICATION-DATE: October 7, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lardo, Albert C.	Baldwin	MD	US
McVeigh, Elliott R.	Potomac	MD	US
Halperin, Henry R.	Baltimore	MD	US

US-CL-CURRENT: 600/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	PMC	Draw D
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☐ 5. Document ID: US 20040032257 A1

L11: Entry 5 of 13

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040032257

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040032257 A1

TITLE: Combining NMR, density, and dielectric measurements for determining downhole reservoir fluid volumes

PUBLICATION-DATE: February 19, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Freedman, Robert	Houston	TX	US

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	PMC	Draw D
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☐ 6. Document ID: US 20040021466 A1

L11: Entry 6 of 13

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040021466

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040021466 A1

TITLE: TUNABLE SUPERCONDUCTING RESONATOR AND METHODS OF TUNING THEREOF

PUBLICATION-DATE: February 5, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hammond, Robert B.	Santa Barbara	CA	US
Sun, Jonathan Z.	Shrub Oak	NY	US
Scalapino, Douglas J.	Santa Barbara	CA	US
James, Timothy W.	Goleta	CA	US
Bourne, Lincoln C.	Santa Barbara	CA	US

US-CL-CURRENT: 324/318; 324/309, 324/315, 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	PMC	Draw D
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☐ 7. Document ID: US 20020135373 A1

L11: Entry 7 of 13

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020135373

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020135373 A1

TITLE: Superconducting control elements for RF antennas

PUBLICATION-DATE: September 26, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
James, Timothy W.	Goleta	CA	US
Bourne, Lincoln C.	Santa Barbara	CA	US

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIG	Draw
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☐ 8. Document ID: US 20010056232 A1

L11: Entry 8 of 13

File: PGPB

Dec 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010056232

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010056232 A1

TITLE: Magnetic resonance imaging transseptal needle antenna

PUBLICATION-DATE: December 27, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lardo, Albert C.	Baldwin	MD	US
McVeigh, Elliott R.	Potomac	MD	US
Halperin, Henry R.	Baltimore	MD	US

US-CL-CURRENT: 600/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIG	Draw
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☐ 9. Document ID: US 6727702 B2

L11: Entry 9 of 13

File: USPT

Apr 27, 2004

US-PAT-NO: 6727702

DOCUMENT-IDENTIFIER: US 6727702 B2

TITLE: Tunable superconducting resonator and methods of tuning thereof

DATE-ISSUED: April 27, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hammond; Robert B	Santa Barbara	CA		
Sun; Jonathan Z.	Shrub Oak	NY		
Scalapino; Douglas J.	Santa Barbara	CA		
James; Timothy W.	Goleta	CA		
Bourne; Lincoln C.	Santa Barbara	CA		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Draw U
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☐ 10. Document ID: US 6606513 B2

L11: Entry 10 of 13

File: USPT

Aug 12, 2003

US-PAT-NO: 6606513

DOCUMENT-IDENTIFIER: US 6606513 B2

TITLE: Magnetic resonance imaging transseptal needle antenna

DATE-ISSUED: August 12, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lardo; Albert C.	Baldwin	MD		
McVeigh; Elliott R.	Potomac	MD		
Halperin; Henry R.	Baltimore	MD		

US-CL-CURRENT: 600/411; 324/318, 600/423, 600/424

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Draw U
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☐ 11. Document ID: US 6538445 B2

L11: Entry 11 of 13

File: USPT

Mar 25, 2003

US-PAT-NO: 6538445

DOCUMENT-IDENTIFIER: US 6538445 B2

TITLE: Superconducting control elements for RF antennas

DATE-ISSUED: March 25, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
James; Timothy W.	Goleta	CA		

Bourne; Lincoln C. Santa Barbara CA

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 12. Document ID: US 6335622 B1

L11: Entry 12 of 13

File: USPT

Jan 1, 2002

US-PAT-NO: 6335622

DOCUMENT-IDENTIFIER: US 6335622 B1

TITLE: Superconducting control elements for RF antennas

DATE-ISSUED: January 1, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
James; Timothy W.	Goleta	CA		
Bourne; Lincoln C.	Santa Barbara	CA		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 13. Document ID: GB 2409728 B, US 20040032257 A1, CA 2435945 A1, GB 2395015 A, GB 2395015 B, GB 2409726 A, GB 2409727 A, GB 2409728 A, GB 2409729 A, GB 2409726 B, GB 2409727 B

L11: Entry 13 of 13

File: DWPI

Jan 4, 2006

DERWENT-ACC-NO: 2004-179991

DERWENT-WEEK: 200604

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TITLE: Evaluation of formation fluids of gas-bearing formation involves determining oil volume fraction from nuclear magnetic resonance and dielectric measurements

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
FORMATION	1989792
FORMATIONS	105928
EARTH	633867

EARTHS	21240
WELLBORE	19790
WELLBORES	4876
WELL-BORE	1406
WELL-BORES	177
"WELL BORE"	0
BOREHOLE	44507
(L10 AND (FORMATION OR EARTH OR WELLBORE OR WELL-BORE OR "WELL BORE" OR BOREHOLE OR BORE-HOLE OR "BORE HOLE") ) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	13

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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 20050194619 A1

Using default format because multiple data bases are involved.

L13: Entry 1 of 5

File: PGPB

Sep 8, 2005

PGPUB-DOCUMENT-NUMBER: 20050194619

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050194619 A1

TITLE: SiCOH dielectric material with improved toughness and improved Si-C bonding, semiconductor device containing the same, and method to make the same

PUBLICATION-DATE: September 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Edelstein, Daniel C.	White Plains	NY	US
Gates, Stephen M.	Ossining	NY	US
Grill, Alfred	White Plains	NY	US
Lane, Michael	Cortlandt Manor	NY	US
Miller, Robert D.	San Jose	CA	US
Neumayer, Deborah A.	Danbury	CT	US
Nguyen, Son Van	Yorktown Heights	NY	US

US-CL-CURRENT: 257/232

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Keywords	Drawings
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☐ 2. Document ID: US 20040199071 A1

L13: Entry 2 of 5

File: PGPB

Oct 7, 2004

PGPUB-DOCUMENT-NUMBER: 20040199071

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040199071 A1

TITLE: Magnetic resonance imaging transseptal needle antenna

PUBLICATION-DATE: October 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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Lardo, Albert C.	Baldwin	MD	US
McVeigh, Elliott R.	Potomac	MD	US
Halperin, Henry R.	Baltimore	MD	US

US-CL-CURRENT: 600/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 3. Document ID: US 20040032257 A1

L13: Entry 3 of 5

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040032257  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040032257 A1

TITLE: Combining NMR, density, and dielectric measurements for determining downhole reservoir fluid volumes

PUBLICATION-DATE: February 19, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Freedman, Robert	Houston	TX	US

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 4. Document ID: US 20010056232 A1

L13: Entry 4 of 5

File: PGPB

Dec 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010056232  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20010056232 A1

TITLE: Magnetic resonance imaging transseptal needle antenna

PUBLICATION-DATE: December 27, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lardo, Albert C.	Baldwin	MD	US
McVeigh, Elliott R.	Potomac	MD	US
Halperin, Henry R.	Baltimore	MD	US

US-CL-CURRENT: 600/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 5. Document ID: US 6606513 B2

L13: Entry 5 of 5

File: USPT

Aug 12, 2003

US-PAT-NO: 6606513

DOCUMENT-IDENTIFIER: US 6606513 B2

TITLE: Magnetic resonance imaging transseptal needle antenna

DATE-ISSUED: August 12, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lardo; Albert C.	Baldwin	MD		
McVeigh; Elliott R.	Potomac	MD		
Halperin; Henry R.	Baltimore	MD		

US-CL-CURRENT: 600/411; 324/318, 600/423, 600/424

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
CONSTANT	2112110
CONSTANTS	171067
DIELECTRIC\$4	0
DIELECTRIC	547678
DIELECTRICA	48
DIELECTRICABLE	1
DIELECTRICABY	5
DIELECTRICADY	2
DIELECTRICA EY	1
DIELECTRICAFFY	2
DIELECTRICAFLY	9
(L11 AND (DIELECTRIC\$4 WITH CONSTANT) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	5

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20040032257 A1

Using default format because multiple data bases are involved.

L15: Entry 1 of 1

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040032257

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040032257 A1

TITLE: Combining NMR, density, and dielectric measurements for determining downhole reservoir fluid volumes

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Freedman, Robert	Houston	TX	US

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Drawings
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Term	Documents
SUMMATION	65382
SUMMATIONS	4398
ADDITION	3765631
ADDN	133093
ADDNS	2104
ADDITIONS	195323
MRI	32170
MRIS	482
NMR	159533
NMRS	276
MAGNETIC	1591864



(L14 AND ((COMBIN\$4 OR COMBINATION\$4 OR ADD\$3 OR SUM\$4 OR SUMMATION OR ADDITION) WITH (MRI OR NMR OR (MAGNETIC ADJ RESONAN\$2)) WITH (DIELECTRIC\$4))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1
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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20040032257 A1

Using default format because multiple data bases are involved.

L17: Entry 1 of 4

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040032257

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040032257 A1

TITLE: Combining NMR, density, and dielectric measurements for determining downhole reservoir fluid volumes

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Freedman, Robert	Houston	TX	US

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 2. Document ID: US 5417073 A

L17: Entry 2 of 4

File: USPT

May 23, 1995

US-PAT-NO: 5417073

DOCUMENT-IDENTIFIER: US 5417073 A

TITLE: Cryogenic cooling system

DATE-ISSUED: May 23, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
James; Timothy W.	Goleta	CA		
Kunimoto; Wallace Y.	Goleta	CA		

US-CL-CURRENT: 62/51.1, 165/104.33, 505/779, 505/892, 62/316

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 3. Document ID: US 5293519 A

L17: Entry 3 of 4

File: USPT

Mar 8, 1994

US-PAT-NO: 5293519

DOCUMENT-IDENTIFIER: US 5293519 A

TITLE: RF coil for a nuclear magnetic resonance imaging device

DATE-ISSUED: March 8, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yoshino; Hitoshi	Kashiwa			JP
Takeuchi; Hiroyuki	Kashiwa			JP

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 4. Document ID: JP 06070904 A

L17: Entry 4 of 4

File: JPAB

Mar 15, 1994

PUB-NO: JP406070904A

DOCUMENT-IDENTIFIER: JP 06070904 A

TITLE: RF COIL FOR MRI DEVICE

PUBN-DATE: March 15, 1994

## INVENTOR-INFORMATION:

NAME	COUNTRY
HAYAKAWA, HIROSHI	
SHINTANI, TORU	

INT-CL (IPC): A61B 5/055; G01R 33/34

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
SUMMATION	65382
SUMMATIONS	4398
ADDITION	3765631
ADDN	133093

ADDNS	2104
ADDITIONS	195323
MRI	32170
MRIS	482
NMR	159533
NMRS	276
MAGNETIC	1591864
(L9 AND ((COMBIN\$4 OR COMBINATION\$4 OR ADD\$3 OR SUM\$4 OR SUMMATION OR ADDITION) WITH (MRI OR NMR OR (MAGNETIC ADJ RESONAN\$2)) WITH (DIELECTRIC\$4))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	4

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☐ 1. Document ID: US 20040032257 A1

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L20: Entry 1 of 1

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040032257

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040032257 A1

TITLE: Combining NMR, density, and dielectric measurements for determining downhole reservoir fluid volumes

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Freedman, Robert

Houston

TX

US

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	INTC	Draw D.
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Term	Documents
ROCK	273654
ROCKS	68673
MATRIX	712525
MATRICES	94596
MATRIXES	10881
(17 AND (ROCK OR MATRIX) ) . PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD .	1
(L17 AND (ROCK OR MATRIX) ) . PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD .	1

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Search Results - Record(s) 1 through 9 of 9 returned.

☐ 1. Document ID: US 20050011645 A1

Using default format because multiple data bases are involved.

L23: Entry 1 of 9

File: PGPB

Jan 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050011645

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050011645 A1

TITLE: Method of utilizing flowable devices in wellbores

PUBLICATION-DATE: January 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Aronstam, Peter	Houston	TX	US
Berger, Per-Erik	Vestre Amoy		NO

US-CL-CURRENT: [166/250.11](#); [166/255.1](#), [175/40](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw D
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☐ 2. Document ID: US 20040188140 A1

L23: Entry 2 of 9

File: PGPB

Sep 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040188140

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040188140 A1

TITLE: In-situ heavy-oil reservoir evaluation with artificial temperature elevation

PUBLICATION-DATE: September 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Chen, Songhua	Katy	TX	US
Georgi, Daniel T.	Houston	TX	US

US-CL-CURRENT: [175/17](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw D
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☐ 3. Document ID: US 20040032257 A1

L23: Entry 3 of 9

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040032257  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040032257 A1

TITLE: Combining NMR, density, and dielectric measurements for determining downhole reservoir fluid volumes

PUBLICATION-DATE: February 19, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Freedman, Robert	Houston	TX	US

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 4. Document ID: US 20030034777 A1

L23: Entry 4 of 9

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030034777  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030034777 A1

TITLE: In-situ heavy-oil reservoir evaluation with artificial temperature elevation

PUBLICATION-DATE: February 20, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Chen, Songhua	Katy	TX	US
Georgi, Daniel T.	Houston	TX	US

US-CL-CURRENT: 324/303; 702/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 5. Document ID: US 20020185273 A1

L23: Entry 5 of 9

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020185273  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020185273 A1

TITLE: Method of utilizing flowable devices in wellbores

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Aronstam, Peter	Houston	TX	US
Berger, Per-Erik	Vestre Amoy		NO

US-CL-CURRENT: 166/250.01; 166/254.1, 175/40

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Draw D
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☐ 6. Document ID: US 6976535 B2

L23: Entry 6 of 9

File: USPT

Dec 20, 2005

US-PAT-NO: 6976535

DOCUMENT-IDENTIFIER: US 6976535 B2

TITLE: Method of utilizing flowable devices in wellbores

DATE-ISSUED: December 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aronstam; Peter	Houston	TX		
Berger; Per-Erik	Vestre Amoy			NO

US-CL-CURRENT: 166/250.11; 166/255.1, 175/40, 73/152.28, 73/152.55

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	IMC	Draw D
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☐ 7. Document ID: US 6755246 B2

L23: Entry 7 of 9

File: USPT

Jun 29, 2004

US-PAT-NO: 6755246

DOCUMENT-IDENTIFIER: US 6755246 B2

TITLE: In-situ heavy-oil reservoir evaluation with artificial temperature elevation

DATE-ISSUED: June 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chen; Songhua	Katy	TX		
Georgi; Daniel T.	Houston	TX		

US-CL-CURRENT: 166/250.01; 166/250.02, 166/272.1



Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D
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☐ 8. Document ID: US 6745833 B2

L23: Entry 8 of 9

File: USPT

Jun 8, 2004

US-PAT-NO: 6745833

DOCUMENT-IDENTIFIER: US 6745833 B2

TITLE: Method of utilizing flowable devices in wellbores

DATE-ISSUED: June 8, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aronstam; Peter	Houston	TX		
Berger; Per-Erik	Vestre Amoy			NO

US-CL-CURRENT: 166/250.11; 166/255.1, 175/40, 73/152.28, 73/152.55

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D
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☐ 9. Document ID: US 6443228 B1

L23: Entry 9 of 9

File: USPT

Sep 3, 2002

US-PAT-NO: 6443228

DOCUMENT-IDENTIFIER: US 6443228 B1

TITLE: Method of utilizing flowable devices in wellbores

DATE-ISSUED: September 3, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aronstam; Peter	Houston	TX		
Berger; Per-Erik	Hegreberg			NO

US-CL-CURRENT: 166/250.11; 166/255.1, 175/40, 73/152.28, 73/152.55

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D
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Term	Documents
SUMMATION	65382

SUMMATIONS	4398
ADDITION	3765631
ADDN	133093
ADDNS	2104
ADDITIONS	195323
MRI	32170
MRIS	482
NMR	159533
NMRS	276
MAGNETIC	1591864
(L22 AND ((COMBIN\$4 OR COMBINATION\$4 OR ADD\$3 OR SUM\$4 OR SUMMATION OR ADDITION) WITH (MRI OR NMR OR (MAGNETIC ADJ RESONAN\$2)) WITH (DIELECTRIC\$4)) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	9

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☐ 1. Document ID: US 20040032257 A1

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L26: Entry 1 of 1

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040032257

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040032257 A1

TITLE: Combining NMR, density, and dielectric measurements for determining downhole reservoir fluid volumes

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Freedman, Robert

Houston

TX

US

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	NMC	New
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Term	Documents
PORTION	5995029
PORTIONS	3167083
MRI	32170
MRIS	482
NMR	159533
NMRS	276
MAGNETIC	1591864
MAGNETICS	14259
FRACTION\$4	0
FRACTION	584470
FRACTIONA	2367

(L25 AND ((FRACTION\$4 OR PORTION OR PART\$2 OR PARTIAL\$2) WITH (MRI OR NMR OR (MAGNETIC ADJ RESONAN\$2)) WITH (DIELECTRIC\$4)) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1
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